Appendix F
Equipment Production Rates

EVAPORATION POND INTERIM REMOVAL ACTION THUMB POND AND SUB AREA A PRODUCTION RATES

pounds/cubic foot	pound per cubic yard	ton/cubic yard	
115.0	3,105	1.6	
yards	tons		
722	1,121		
44,000	68,310		
	69,431		
8,078	12,541		
31,600	49,059		
	61,600		
	yards 722 44,000	yards tons 722 1,121 44,000 68,310 69,431 8,078 12,541 31,600 49,059	

L		Length	Speed/Limit
NVLT Road Length		2,310	
	Ramp Lengths	500	10
	Curve and Straight	2,110	20
	Average Speed (mph): Average cycle time (minutes):		19
			1.4
South VLT Road Length		15,583	
South VLT Road Length	Ramp Lengths	15,583 7700	10
South VLT Road Length	Ramp Lengths Curve and Straight	,	10 20
South VLT Road Length	1 0	7700	

ipment	Capacity	average yards	average tons	
	Caterpillar 740	25.1	39.0	
luction	Rate			
	NVLT/Thumb Pond			
	Load (988 Loader)	5		
	Dump	5		
	Wait	5	minutes	
	Cycle Time	1.4	Immates	
	Minutes Per Cycle	16.4		
	Potential Cycles Per Hour	3.7	cycle/hour	
	Fotential Cycles Fel Hour	3.7	Cycle/Hour	
	Conservatively use three 740's at 3 cycles /hour ¹	351	tons per hour	
	m . I	100.0	T.	
	Total Hours Production Time	198.0	hours	
	Total Weeks Production Time (40 Hours/Week)	4.9	weeks	
	SVLT/Sub Area A			
		T	1	
	Load (988 Loader)	5		
	Dump	5		
	Wait	5	minutes	
	Cycle Time	5.1		
	Minutes Per Cycle	20.1		
	Cycles Per Hour	3.0	cycle/hour	
	Conservatively use three 740's at 3 cycles /hour ¹	349	tons per hour	
	Conscivatively use time 740's at 3 cycles/flour	347	tons per nour	
	Total Hours Production Time	176.6	hours	
	Total Weeks Production Time (40 Hours/Week)	4.4	weeks	
	Estimated Schedule			
	5. c. t. t. t.		T	
	Mobilization:	3	_	
	SVLT and Sub Area A completed first	4.4	weeks	
	NVLT Portion	4.9		
	Demobilization	2		
		14.4	weeks	
	Estimated Project Duration:	3.6	months	

Notes:

1) System limited by loader capacity using 9 loads at 5 minutes each (75% Utilization)